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Appl. No. 10/643,681
 Docket No.: 254/057CON
 Page 2

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AMENDMENTS TO THE CLAIMS

Please enter the following amendments without prejudice or disclaimer.

This listing of claims will replace all prior versions, and listings, of claims in the application.

In the claims:

1-23. (Canceled)

24. (Currently amended) A method of reducing or moderating a postprandial rise in plasma glucose in a mammal comprising administering to said mammal an amylin or an amylin agonist analogue in an amount effective to reduce or moderate a postprandial rise in plasma glucose, wherein the amylin agonist analogue is a peptide and binds to an amylin receptor.

25. (Previously presented) The method of claim 24 wherein the amylin agonist analogue has the following amino acid sequence:

¹A₁-X-Asn-Thr-⁵Ala-Thr-Y-Ala-Thr-¹⁰Gln-Arg-Leu-B₁-Asn-¹⁵Phe-Leu-C₁-D₁-E₁-²⁰F₁-
²⁵G₁-Asn-H₁-Gly-³⁰Pro-I₁-Leu-Pro-J₁-³⁵Thr-K₁-Val-Gly-Ser-⁴⁰Asn-Thr-Tyr-Z
 wherein

A₁ is Lys, Ala, Ser or Hydrogen;

B₁ is Ala, Ser or Thr;

C₁ is Val, Leu or Ile;

D₁ is His or Arg;

E₁ is Ser or Thr;

F₁ is Ser, Thr, Gln or Asn;

G₁ is Asn, Gln or His;

H₁ is Phe, Leu or Tyr;

I₁ is Ile, Val, Ala or Leu;

J₁ is Ser, Pro or Thr;

K₁ is Asn, Asp or Gln;

X and Y are independently selected residues having side chains which are chemically bonded to